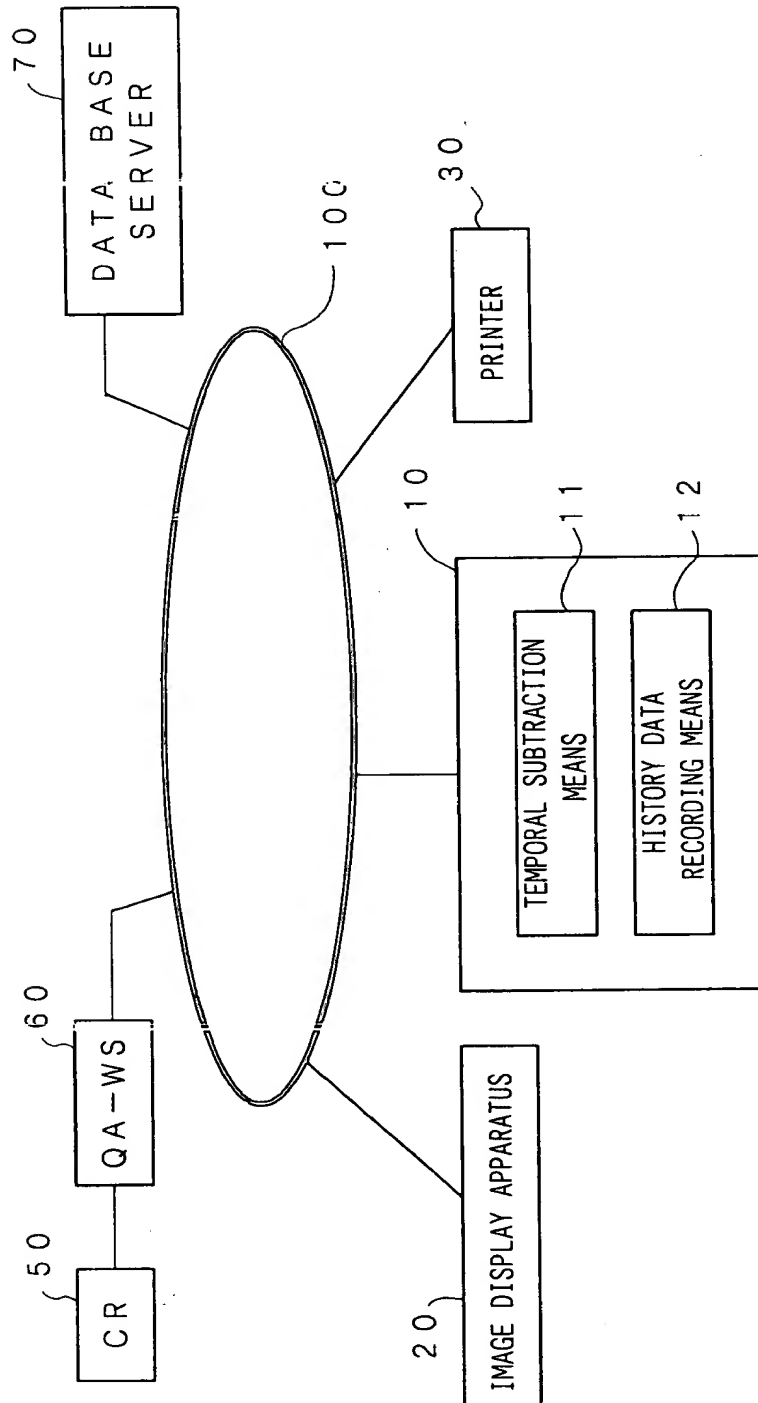
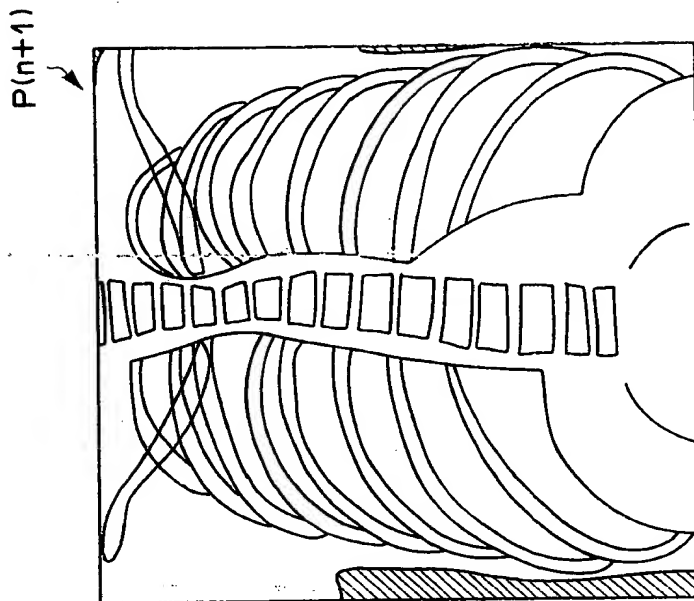


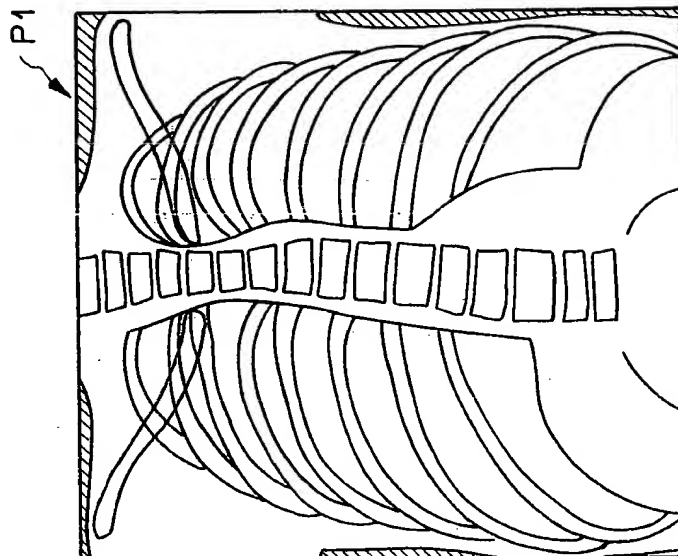
FIG. 1



F I G. 2B



F I G. 2A



FIRST ORIGINAL
IMAGE P1

(n+1)th ORIGINAL
IMAGE P(n+1)

GLOBAL MATCHING OPERATION

$P1', P(n+1)$

· DEFINE TEMPLATE ROIs
(FOR P(n+1))
· DEFINE SEARCH ROIs
(FOR P1')

CALCULATE THE AMOUNT
OF SHIFT FOR EVERY
ROI BASED ON LOCAL MATCHING

DERIVE THE APPROXIMATE
AMOUNT OF SHIFT USING
A TWO-DIMENSIONAL
TENTH-ORDER POLYNOMIAL

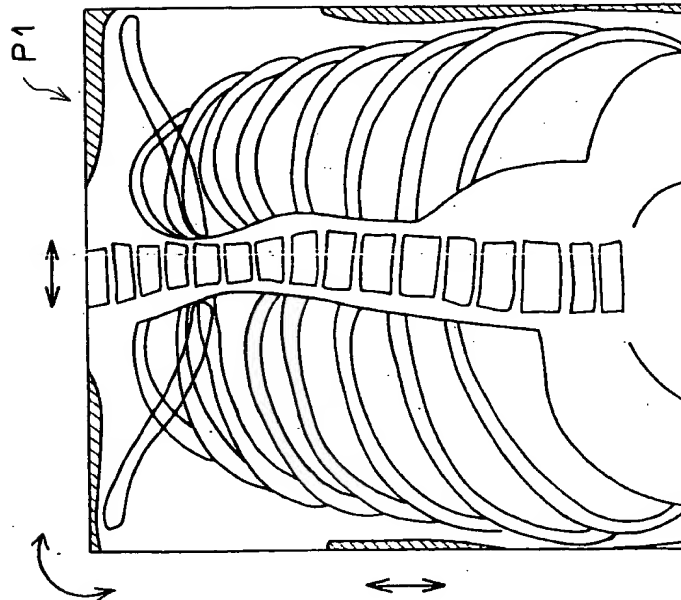
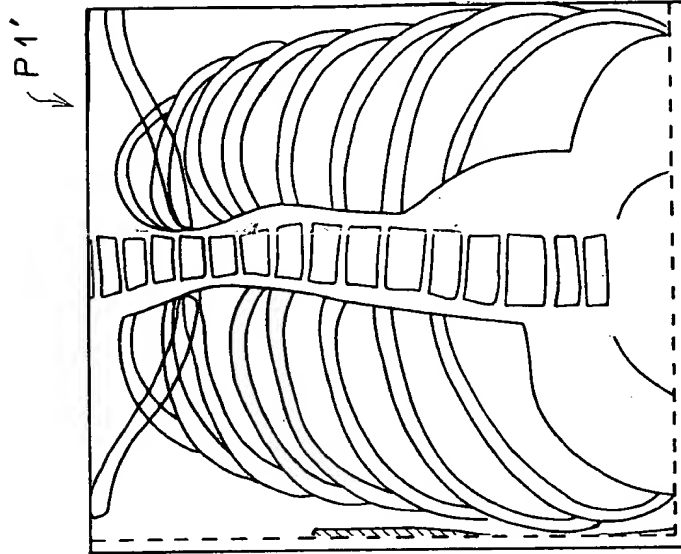
NON-LINEAR WARPING
TRANSFORM OPERATION
FOR THE FIRST IMAGE P1'

$P1'', P(n+1)$

SUBTRACTION OPERATION

$Psu1$

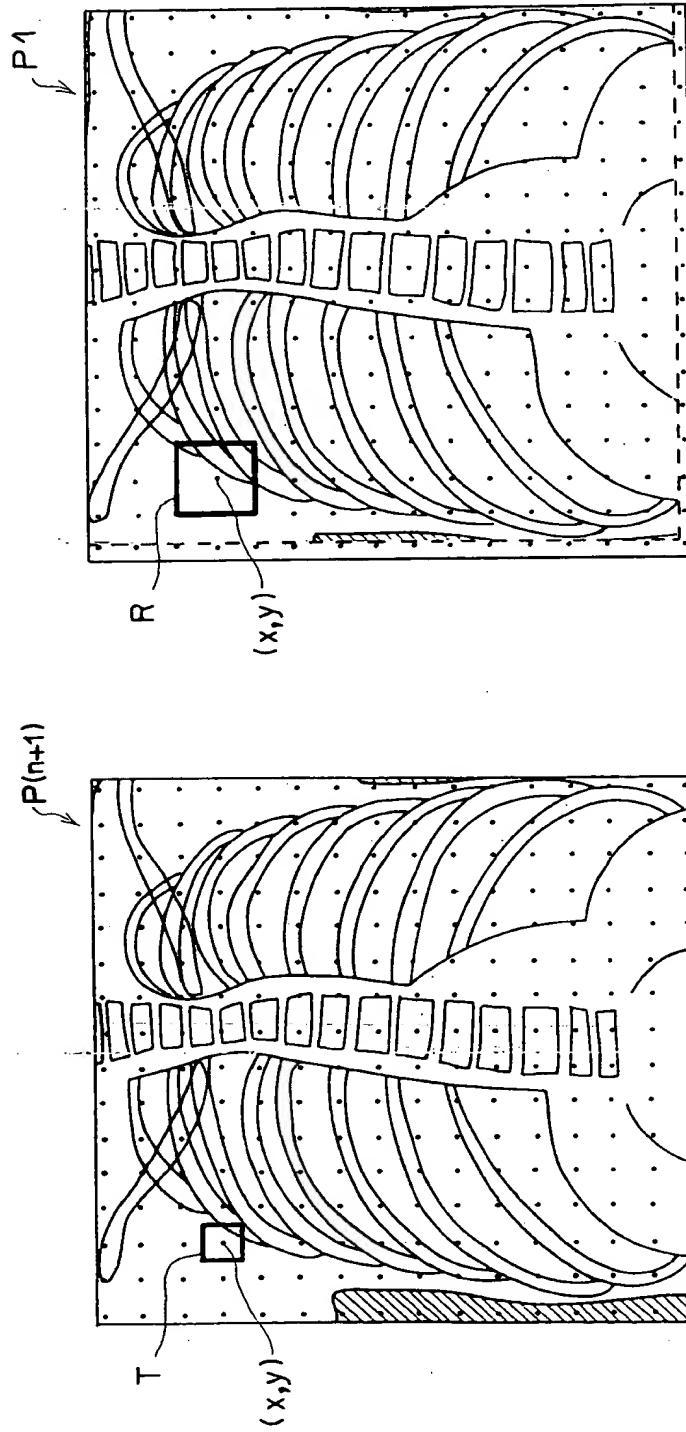
FIG. 3



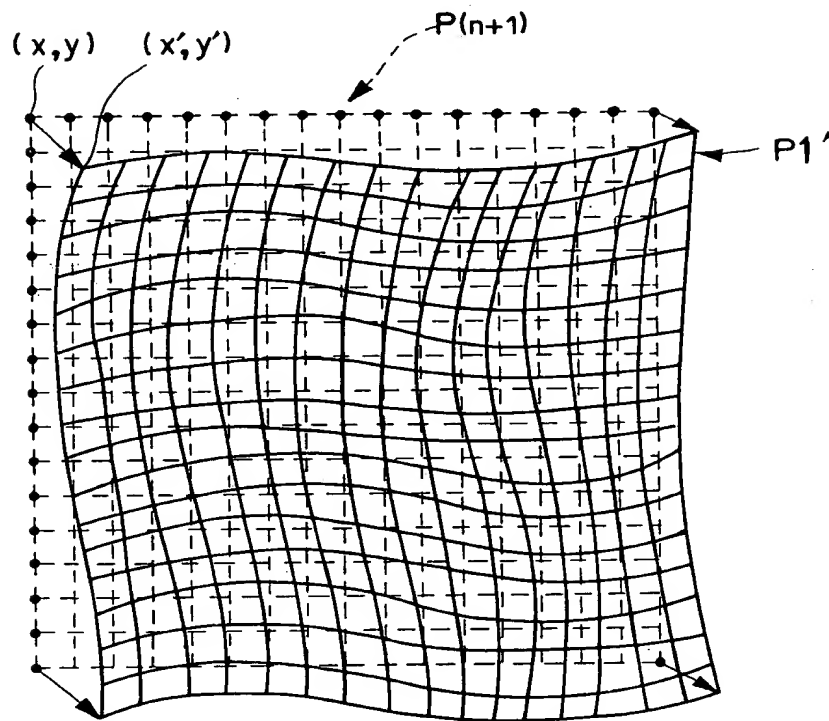
F I G . 4

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F I G . 5

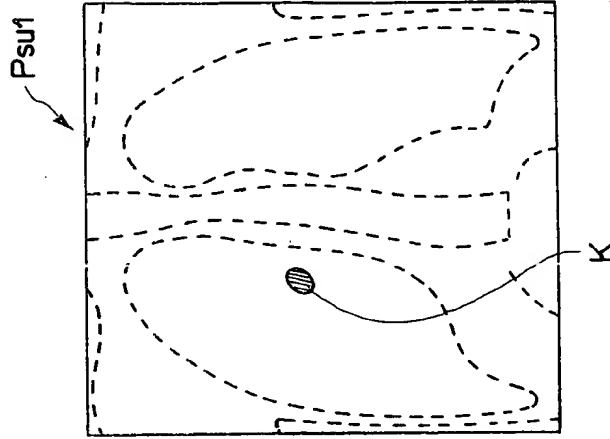


F I G . 6

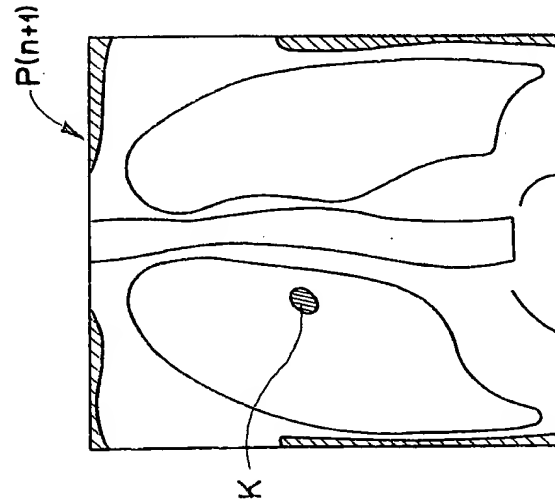


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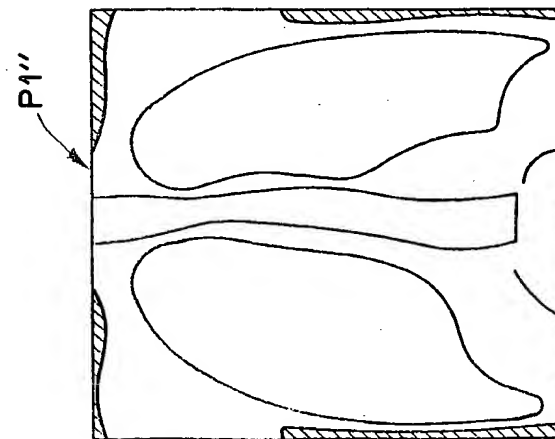
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F I G. 7C



F I G. 7B



F I G. 7A